

Product datasheet

Anti-KLB antibody ab233416

[1 References](#) [3 Images](#)

Overview

Product name	Anti-KLB antibody
Description	Rabbit polyclonal to KLB
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment (His-tag) corresponding to Human KLB aa 500-650. Expressed in E.coli. Database link: Q86Z14 Run BLAST with Run BLAST with
Positive control	IHC-P: Human liver, pancreas and kidney tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.011% Proclin 300 Constituents: 55.77% Glycerol (glycerin, glycerine), 44.219% PBS
Purity	Immunogen affinity purified
Purification notes	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab233416 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 5 - 20 µg/ml.

Target

Function

Contributes to the transcriptional repression of cholesterol 7-alpha-hydroxylase (CYP7A1), the rate-limiting enzyme in bile acid synthesis. Probably inactive as a glycosidase. Increases the ability of FGFR1 and FGFR4 to bind FGF21.

Sequence similarities

Belongs to the glycosyl hydrolase 1 family. Klotho subfamily.

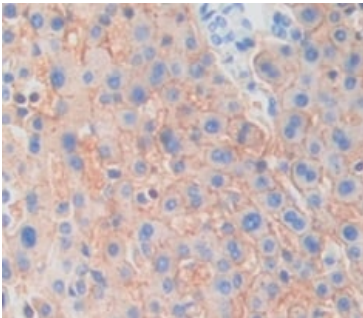
Domain

Contains 2 glycosyl hydrolase 1 regions. However, the first region lacks the essential Glu active site residue at position 241, and the second one lacks the essential Glu active site residue at position 889. These domains are therefore predicted to be inactive.

Cellular localization

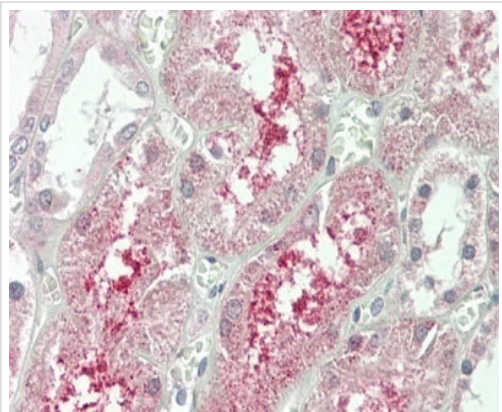
Cell membrane.

Images



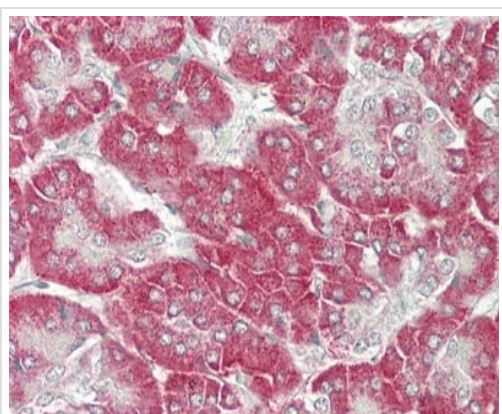
Formalin-fixed, paraffin-embedded human liver tissue stained for KLB using ab233416 at 20 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KLB antibody (ab233416)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KLB antibody (ab233416)

Formalin-fixed, paraffin-embedded human kidney tissue stained for KLB using ab233416 at 20 µg/ml in immunohistochemical analysis. AEC staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KLB antibody (ab233416)

Formalin-fixed, paraffin-embedded human pancreas tissue stained for KLB using ab233416 at 20 µg/ml in immunohistochemical analysis. AEC staining.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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